

Amendments to the Claims

The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-18 are pending. Claims 1, 2, 4 and 6 are unchanged. Claims 3 and 5 are amended. Claims 7-18 are new.

1. (Original) A method for accessing management information using SNMP-formats, the information stored in CIM formats, the method comprising:
receiving a request message from an SNMP client;
mapping the request message into CIM formats; and
performing at least one of retrieving and setting a CIM object value.
2. (Original) A method according to claim 1, the method further comprising:
encoding CIM property values into SNMP formats; and
returning an SNMP response message to the SNMP client.
3. (Currently Amended) A method for accessing management information using SNMP-formats, the information stored in CIM formats, by generating a mapping file from a MIB file, the MIB file including at least one SNMP variable, the method comprising:
receiving a request message from an SNMP client;
reading at least one SNMP variable from the MIB file; [and]
generating a mapping file entry for at least one of a group and a row sequence specified in the MIB file, the mapping file entry including an OID, a class name, a property name, a SNMP datatype and a next OID[.]; and
performing at least one of retrieving and setting a CIM object value.
4. (Original) A method according to claim 3, wherein the mapping file entry further includes SNMP table indexes.

5. (Currently Amended) A computer program product for use on a computer system for accessing management information using SNMP-formats, the information stored in CIM formats, the computer program product comprising a computer usable medium having computer readable program code thereon, the computer readable program code including program code for:

- receiving a request message from an SNMP client;
- mapping the request message into CIM formats; and
- performing at least one of retrieving and setting a CIM object value.

[A computer program product for generating a mapping file from a MIB file, the MIB file including at least one SNMP variable, the computer program product comprising a computer usable medium having computer readable program code thereon, the computer readable program code including a program code for:

- reading at least one SNMP variable from the MIB file; and
- generating a mapping file entry for at least one of a group and a row sequence specified in the MIB file, the mapping file entry including an OID, a class name, a property name, a SNMP datatype and a next OID.]

6. (Original) A computer system for accessing management information using SNMP-formats, the information stored in CIM formats, the computer system comprising:

- a buffer for receiving a request message;
- logic that receives a request message from an SNMP client;
- logic that maps the request message into CIM formats; and
- logic that performs at least one of retrieving and setting a CIM object value.

7. (New) A computer program product for accessing management information using SNMP-formats, the information stored in CIM formats, by generating a mapping file from a MIB file, the MIB file including at least one SNMP variable, the computer program product comprising a computer usable medium having computer readable program code thereon, the computer readable program code including a program code for:

- receiving a request message from an SNMP client;
- reading at least one SNMP variable from the MIB file;
- generating a mapping file entry for at least one of a group and a row sequence specified in the MIB file, the mapping file entry including an OID, a class name, a property name, a SNMP datatype and a next OID; and

performing at least one of retrieving and setting a CIM object value.

8. (New) A method for accessing management information using SNMP-protocol, the management information in CIM format, the method comprising:
receiving a data access request message, the data access request message in SNMP format, the data access request message requesting access to the management information;
mapping the data access request message from SNMP format into CIM format to provide a CIM object request;
accessing a CIM object property, responsive to receiving the CIM object request; and
performing at least one of retrieving and setting the CIM object property.

9. (New) A method according to claim 8, further comprising:
providing a CIM response message, the CIM response message in CIM format, the CIM response message indicating a value of the CIM object property or that the CIM object property has been set.

10. (New) A method according to claim 9, further comprising:
mapping the CIM response message from CIM format into SNMP format; and
providing a SNMP response message.

11. (New) A method according to claim 10, wherein mapping the CIM response message from CIM format into SNMP format includes:
mapping a CIM property value in the CIM response message into a SNMP value.

12. (New) A method according to claim 8, wherein mapping the data access request message from SNMP format into CIM format includes:
mapping a SNMP data variable into a corresponding CIM property.

13. (New) A method according to claim 8, wherein mapping the data access request message from SNMP format into CIM format includes:
reading an entry in a mapping file.

14. (New) A method according to claim 8, wherein mapping the data access request message from SNMP format into CIM format includes:

providing a mapping file from a MIB file; and
indexing the mapping file using a SNMP data variable to identify an entry with a CIM
property.

15. (New) A method according to claim 14, wherein the CIM property includes an
OID.

16. (New) A method according to claim 14, wherein the CIM property includes a
CIM class name.

17. (New) A method according to claim 14, wherein the CIM property includes a
CIM property name.

18. (New) A method according to claim 14, wherein the entry includes a SNMP
datatype.